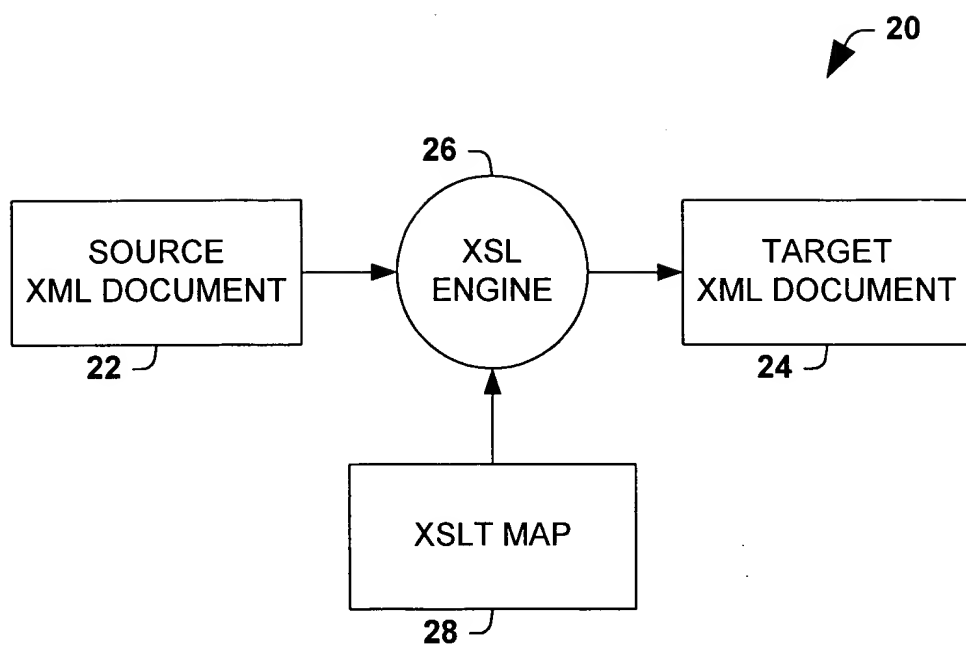
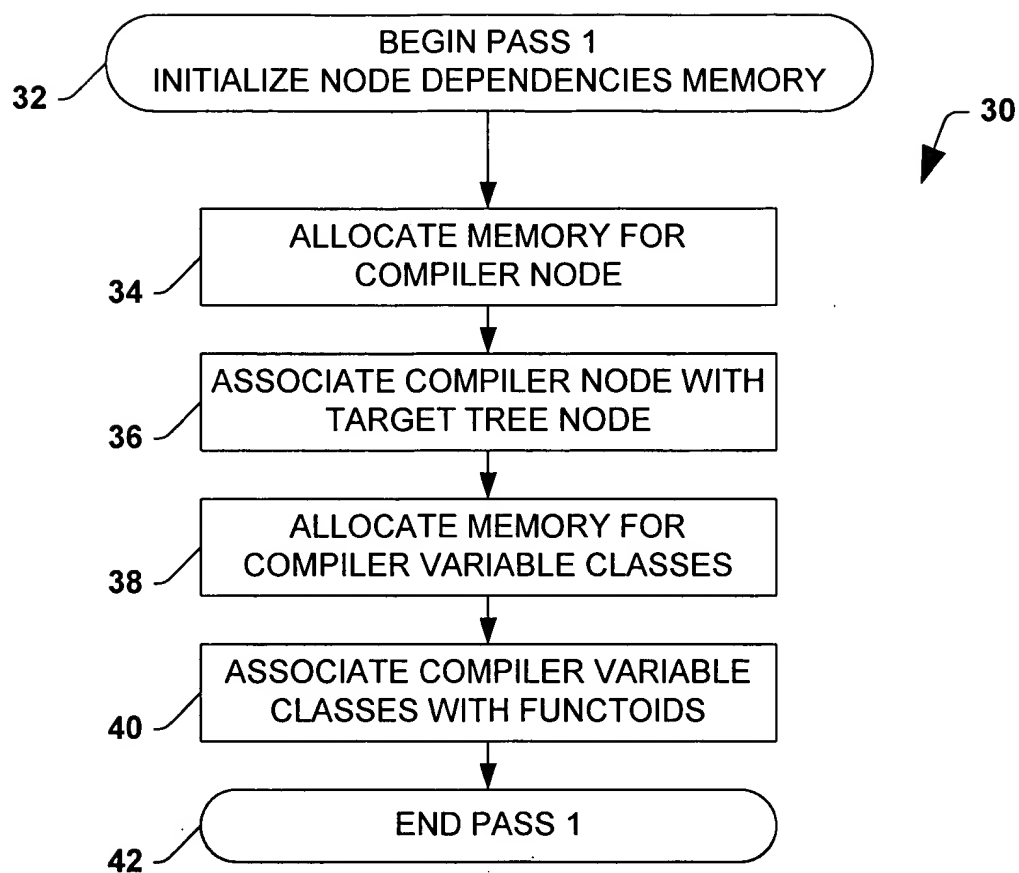


**FIG. 1**

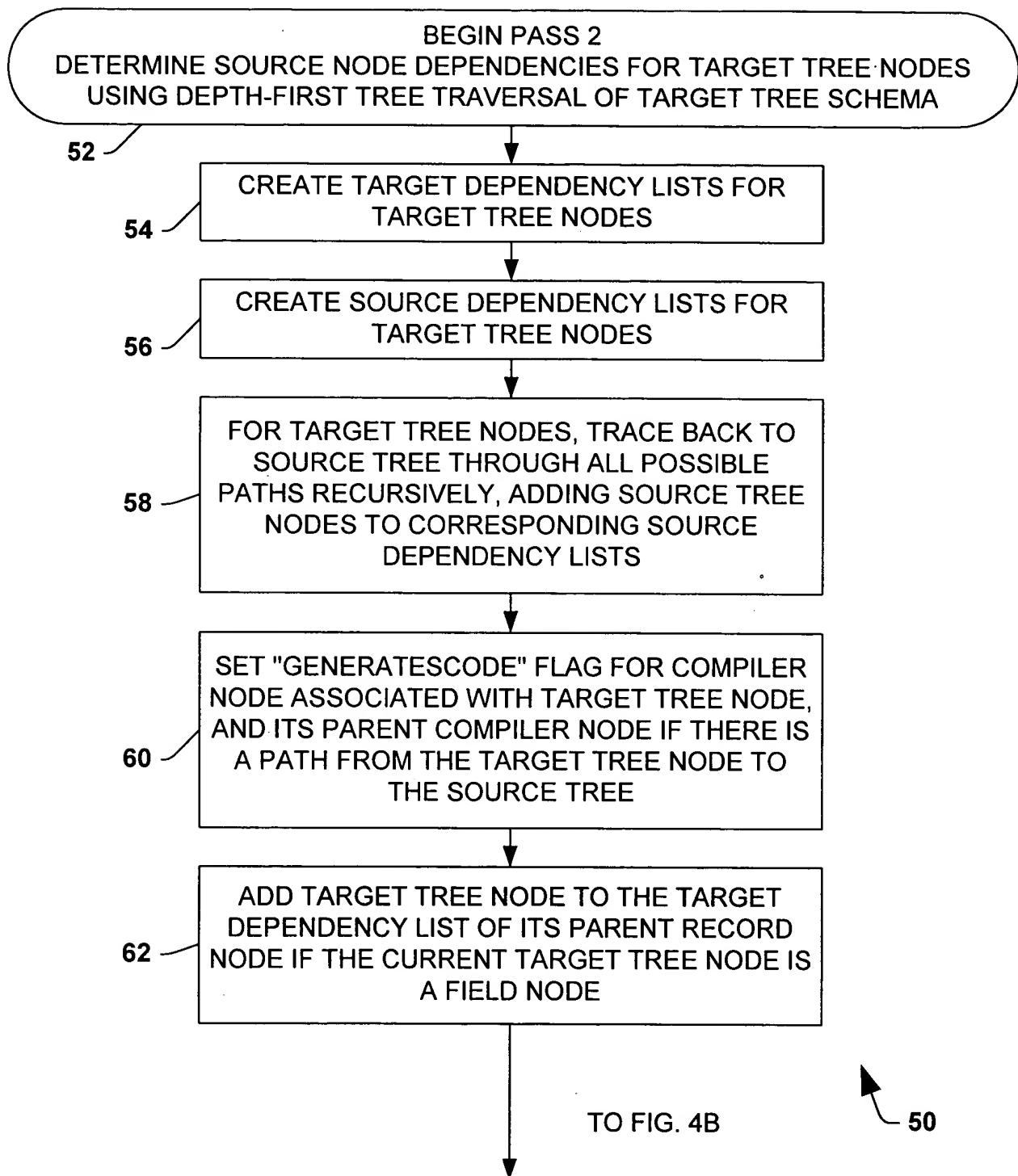
Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the suspension was 10<sup>6</sup> cells/ml (1), 10<sup>7</sup> cells/ml (2), 10<sup>8</sup> cells/ml (3), 10<sup>9</sup> cells/ml (4), 10<sup>10</sup> cells/ml (5), 10<sup>11</sup> cells/ml (6), 10<sup>12</sup> cells/ml (7), 10<sup>13</sup> cells/ml (8), 10<sup>14</sup> cells/ml (9), 10<sup>15</sup> cells/ml (10), 10<sup>16</sup> cells/ml (11), 10<sup>17</sup> cells/ml (12), 10<sup>18</sup> cells/ml (13), 10<sup>19</sup> cells/ml (14), 10<sup>20</sup> cells/ml (15), 10<sup>21</sup> cells/ml (16), 10<sup>22</sup> cells/ml (17), 10<sup>23</sup> cells/ml (18), 10<sup>24</sup> cells/ml (19), 10<sup>25</sup> cells/ml (20). The concentration of the suspension was 10<sup>6</sup> cells/ml (1), 10<sup>7</sup> cells/ml (2), 10<sup>8</sup> cells/ml (3), 10<sup>9</sup> cells/ml (4), 10<sup>10</sup> cells/ml (5), 10<sup>11</sup> cells/ml (6), 10<sup>12</sup> cells/ml (7), 10<sup>13</sup> cells/ml (8), 10<sup>14</sup> cells/ml (9), 10<sup>15</sup> cells/ml (10), 10<sup>16</sup> cells/ml (11), 10<sup>17</sup> cells/ml (12), 10<sup>18</sup> cells/ml (13), 10<sup>19</sup> cells/ml (14), 10<sup>20</sup> cells/ml (15), 10<sup>21</sup> cells/ml (16), 10<sup>22</sup> cells/ml (17), 10<sup>23</sup> cells/ml (18), 10<sup>24</sup> cells/ml (19), 10<sup>25</sup> cells/ml (20).



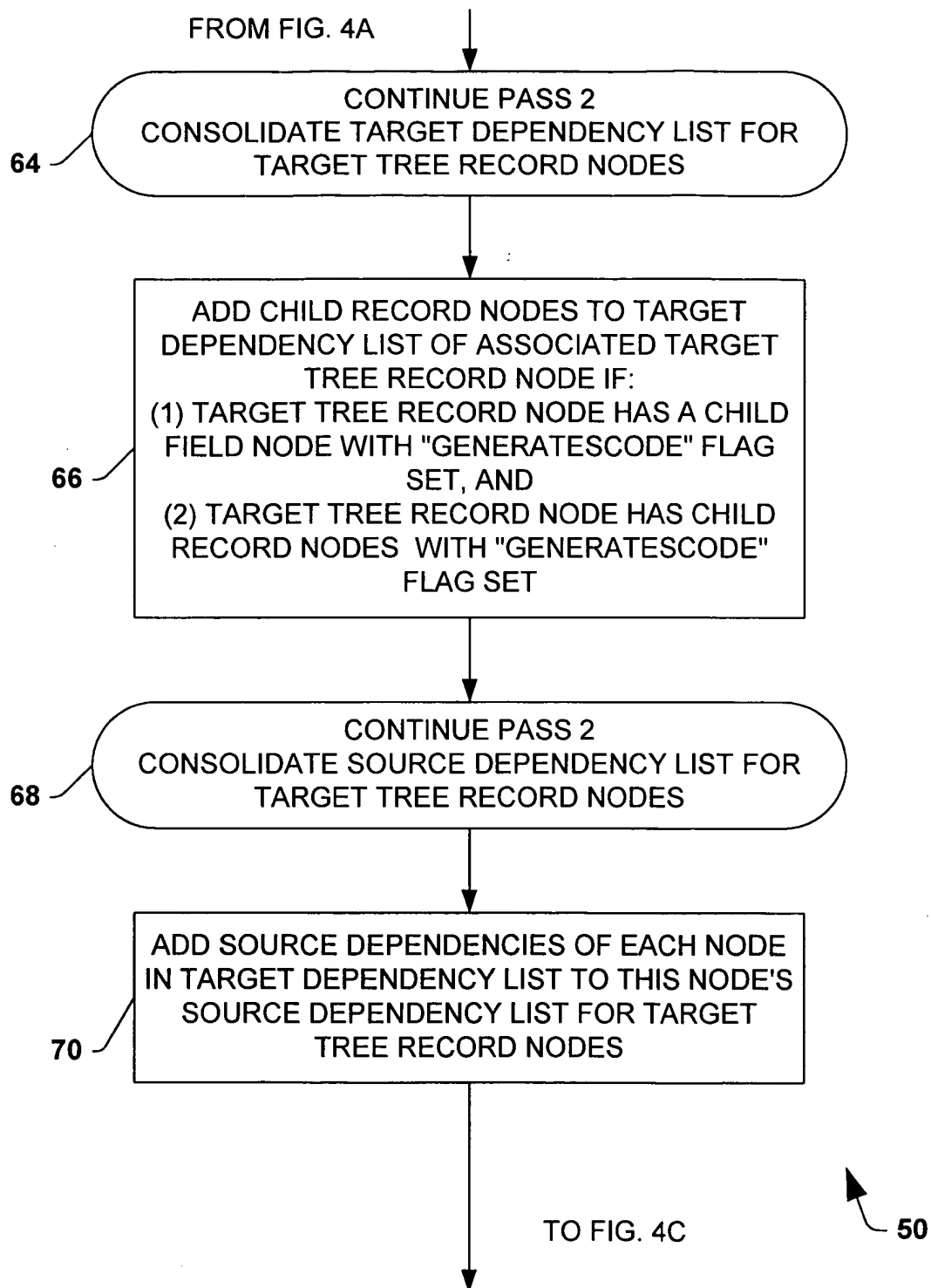
**FIG. 2**



**FIG. 3**



**FIG. 4A**



**FIG. 4B**

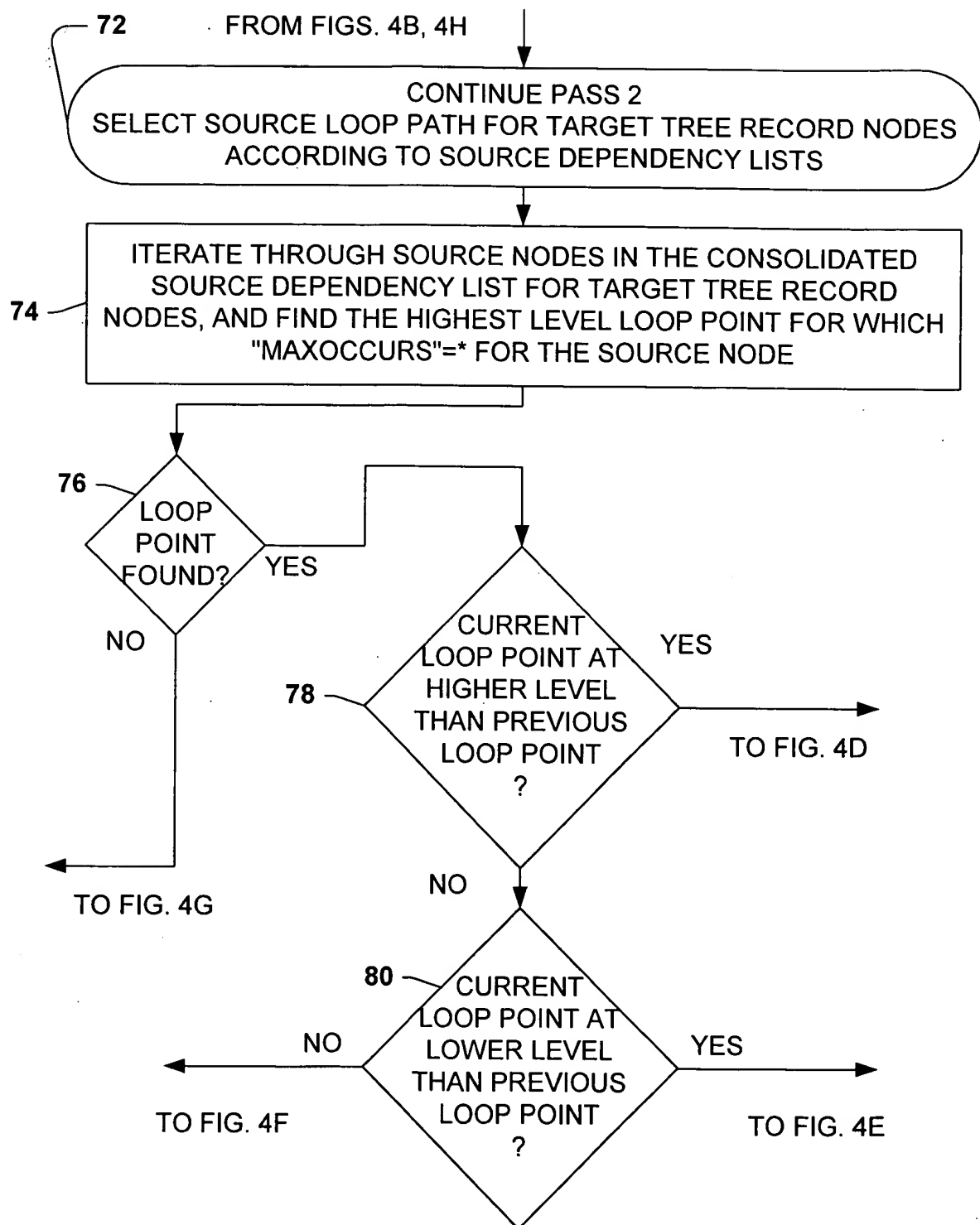


FIG. 4C

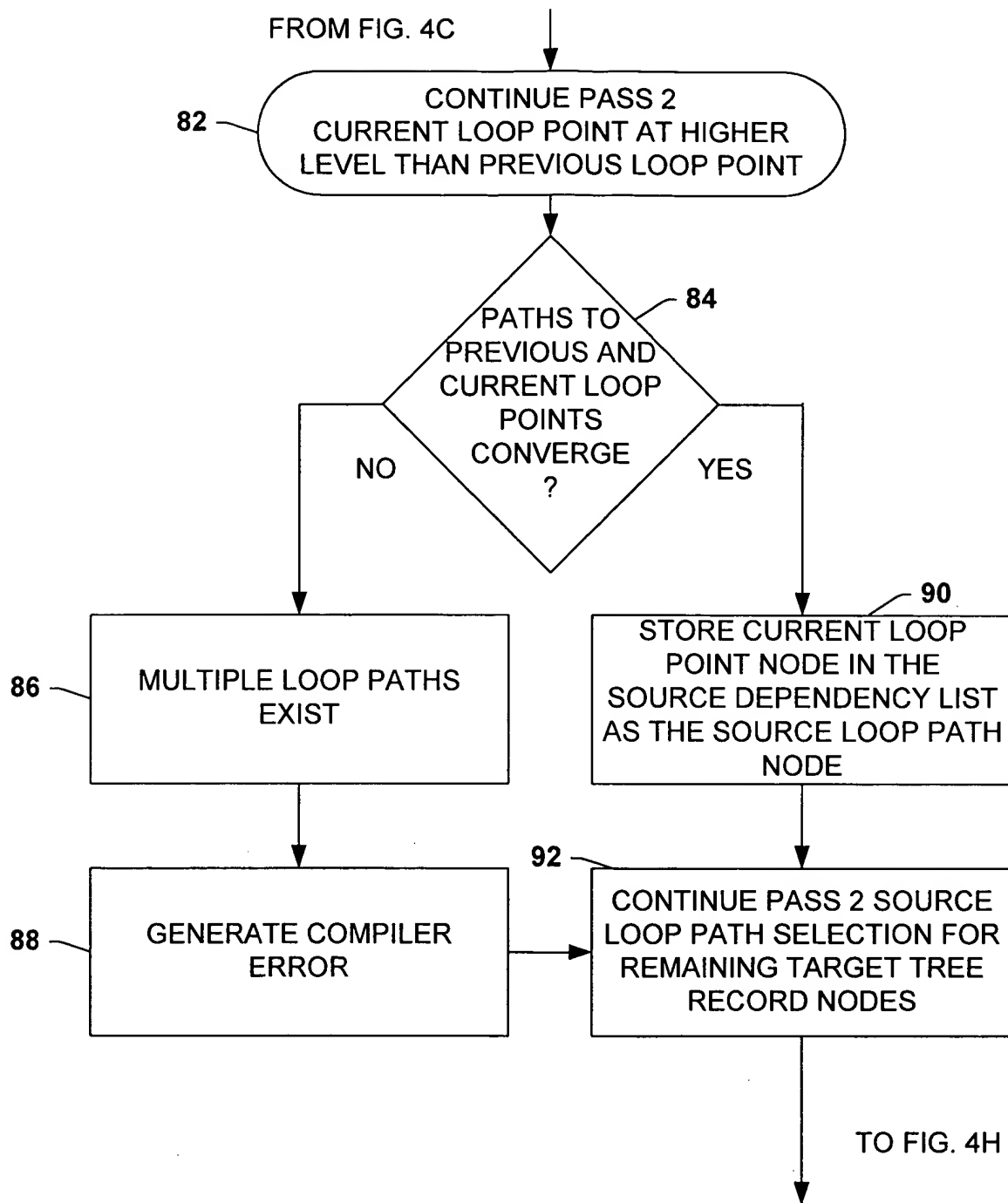


FIG. 4D

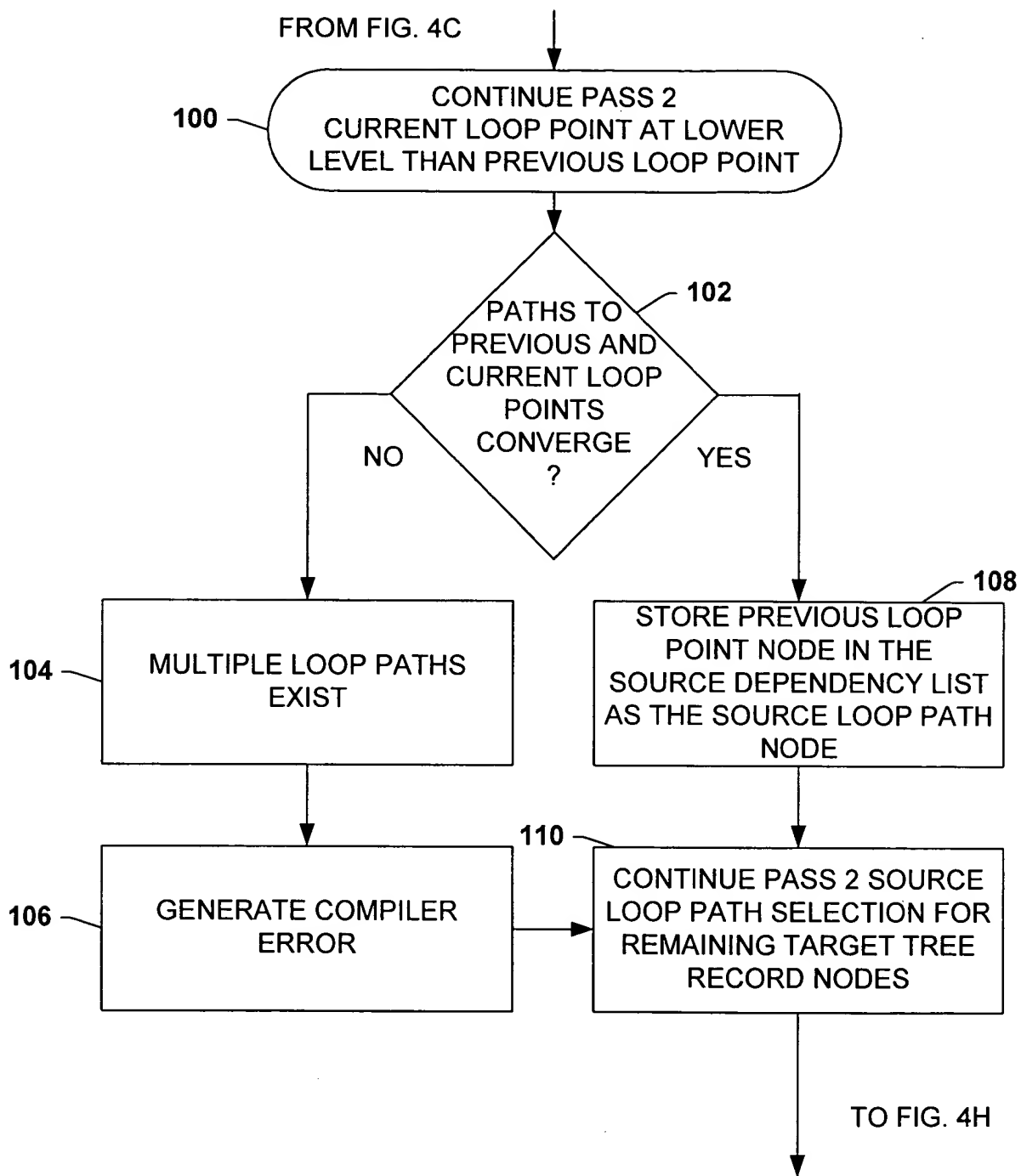


FIG. 4E



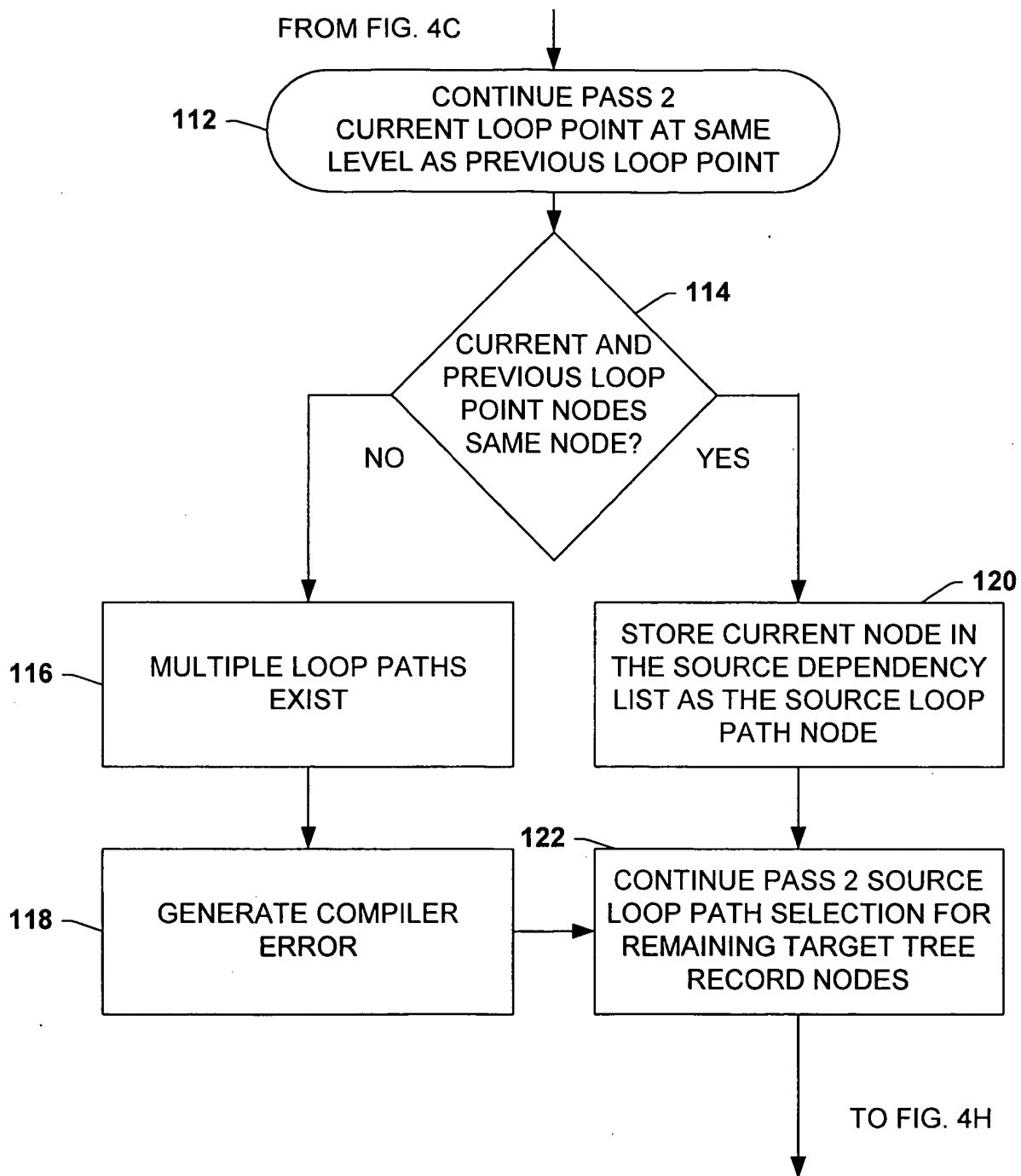
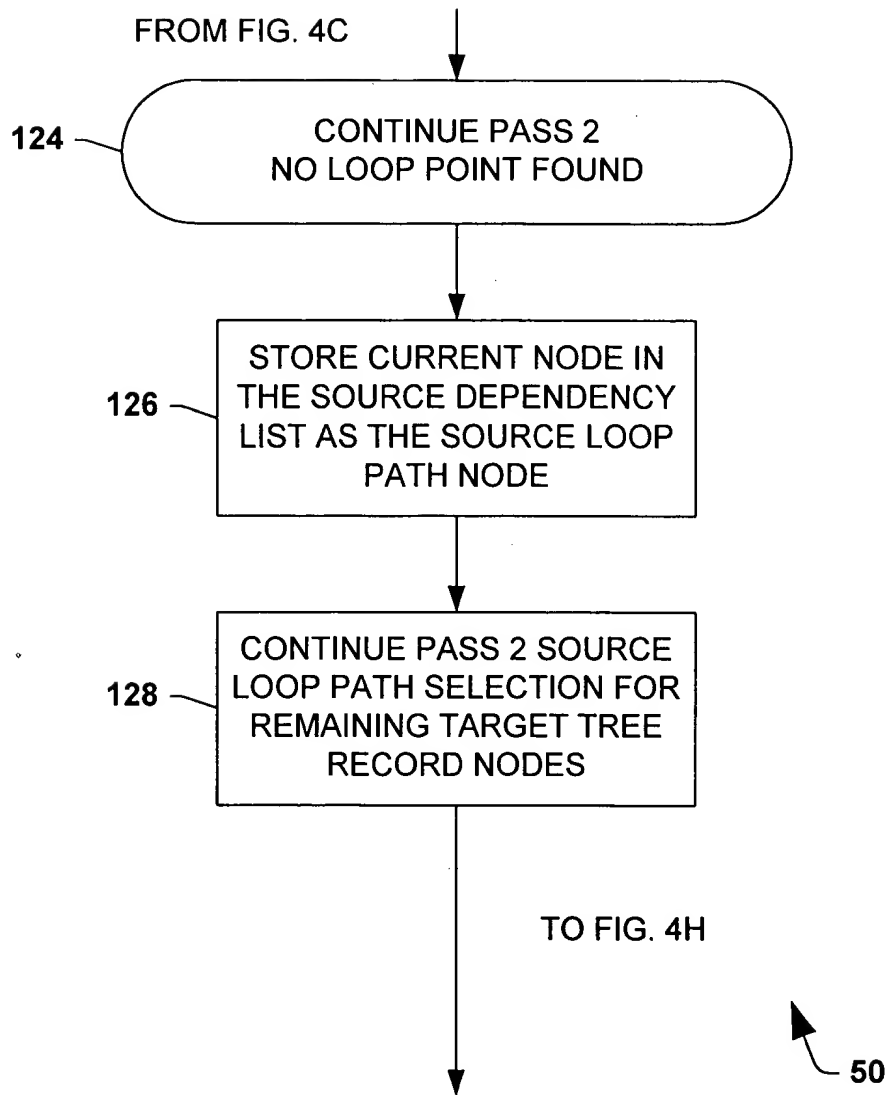
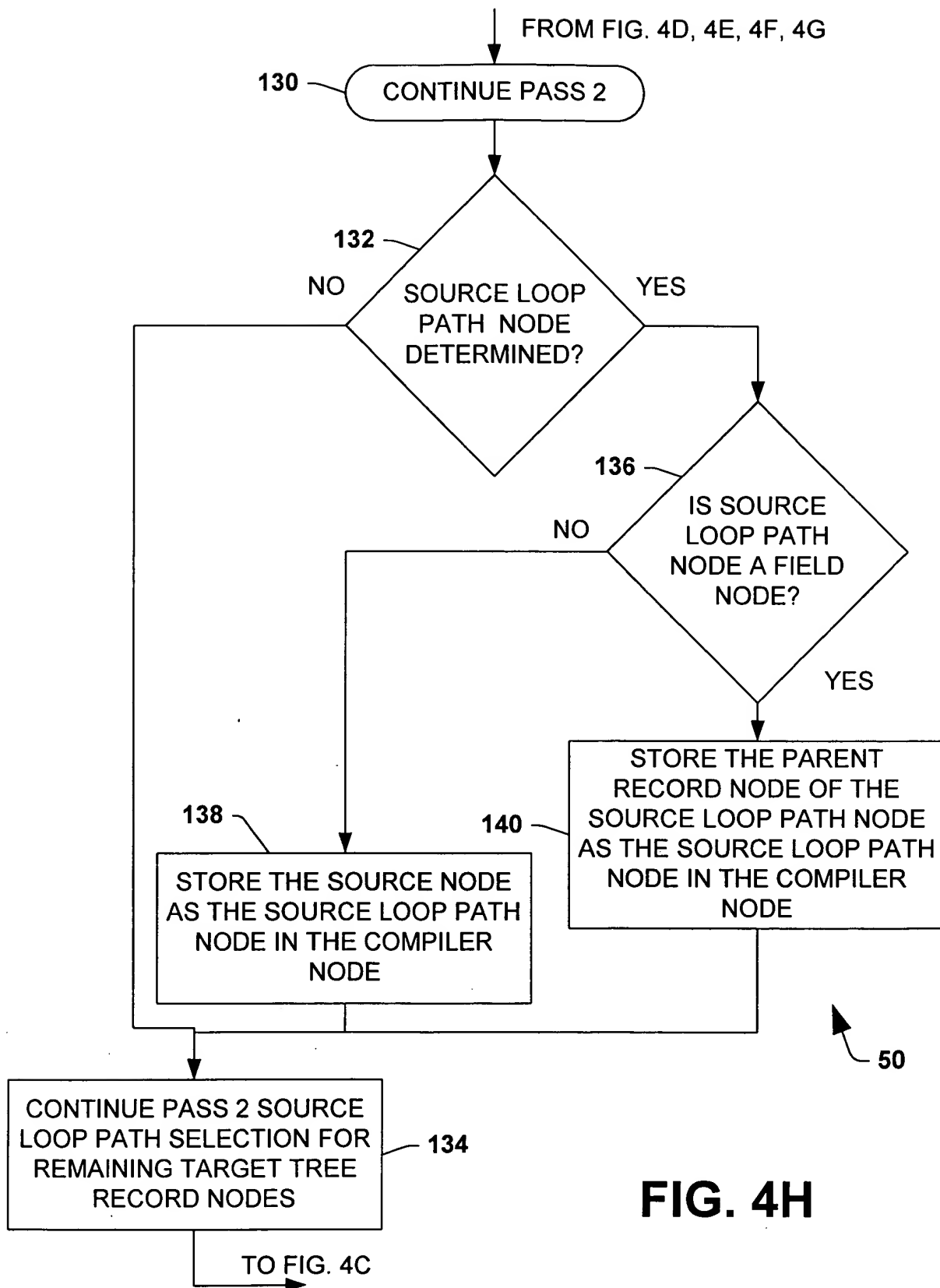


FIG. 4F



**FIG. 4G**



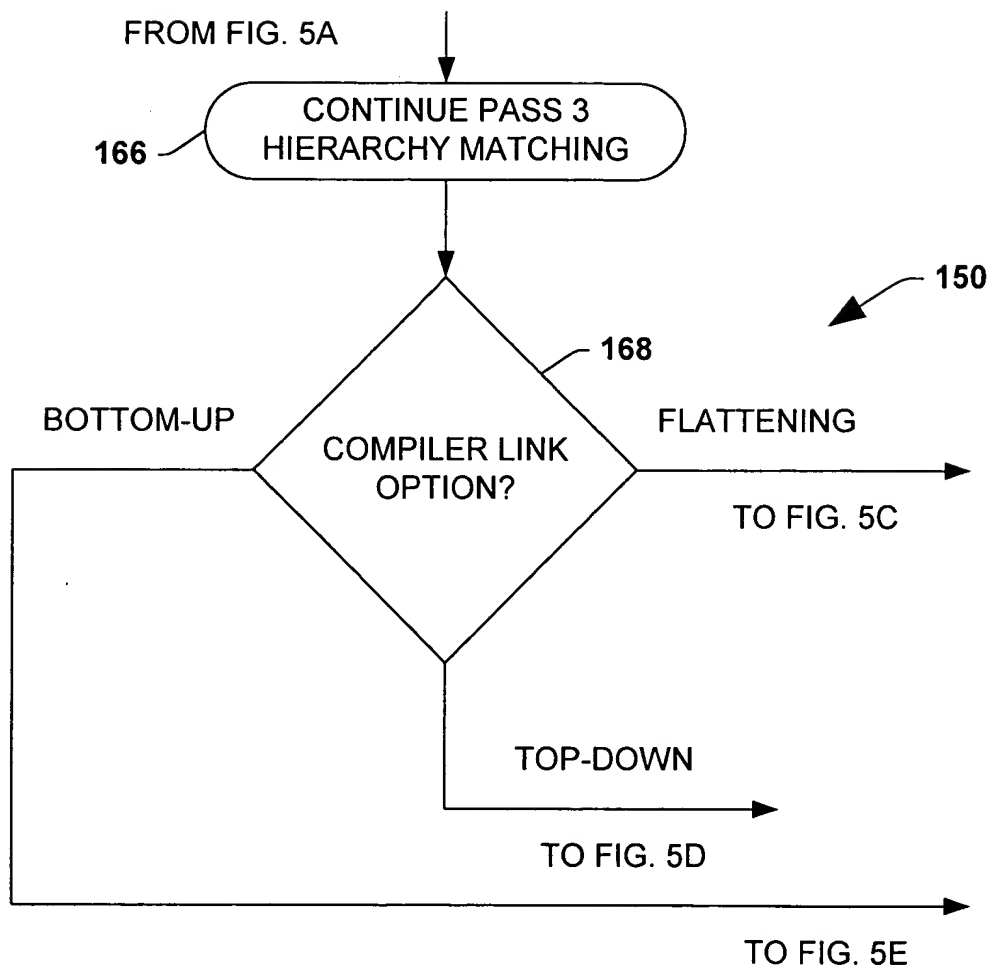
**FIG. 4H**

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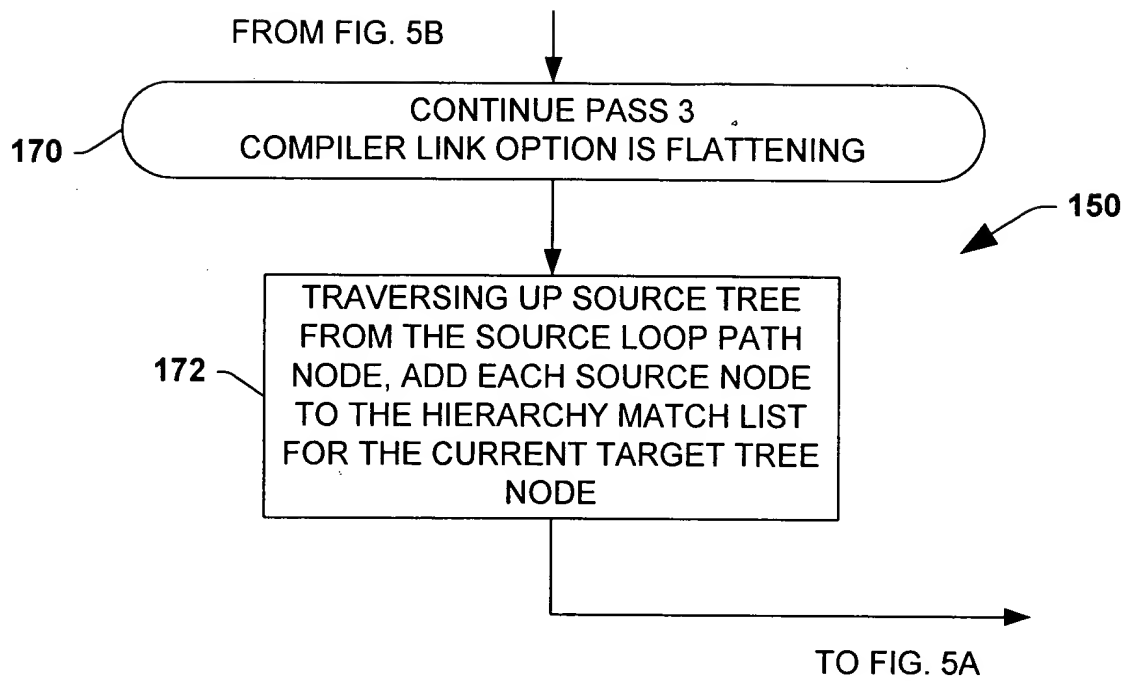
graph TD
    152([BEGIN PASS 3  
HIERARCHY MATCHING USING DEPTH-FIRST TREE  
TRAVERSAL OF TARGET TREE SCHEMA]) --> 154{CURRENT  
TARGET NODE  
HAS A SOURCE  
LOOP PATH  
NODE?}
    154 -- NO --> 156[PROCESS NEXT  
TARGET NODE]
    154 -- YES --> 158[CREATE HIERARCHY MATCH  
LIST FOR TARGET NODE]
    158 --> 160[DETERMINE CONSOLIDATED  
COMPILER LINK OPTION  
USING LINKS ON TARGET  
NODE DEPENDENCIES]
    160 --> 162{CONFLICTING  
COMPILER  
LINKS?}
    162 -- YES --> 164[GENERATE COMPILER  
ERROR]
    162 -- NO --> 156
    164 --> 156
    156 --> 152
    
```

FIG. 5A

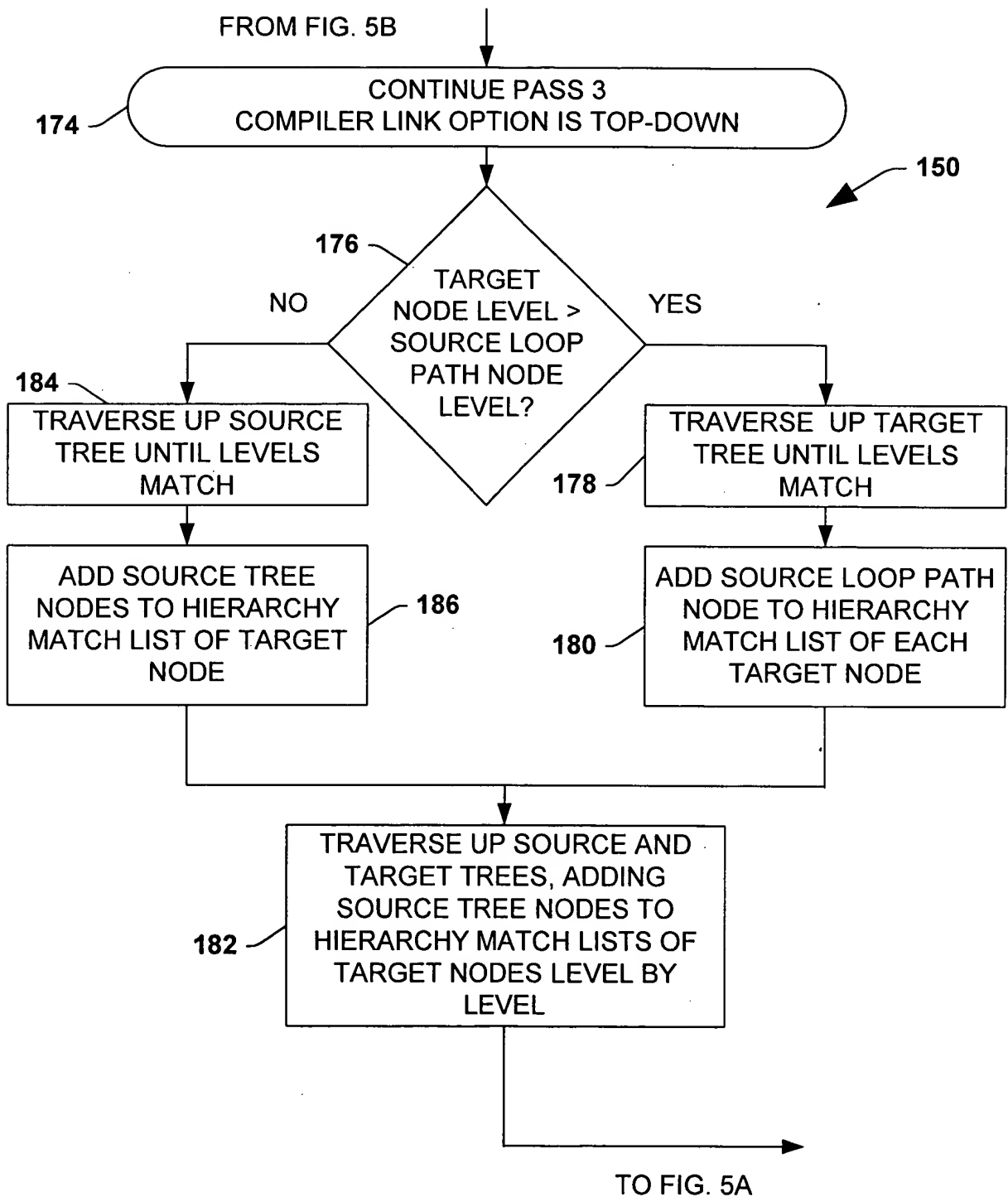
**FIG. 5A**



**FIG. 5B**



**FIG. 5C**



**FIG. 5D**

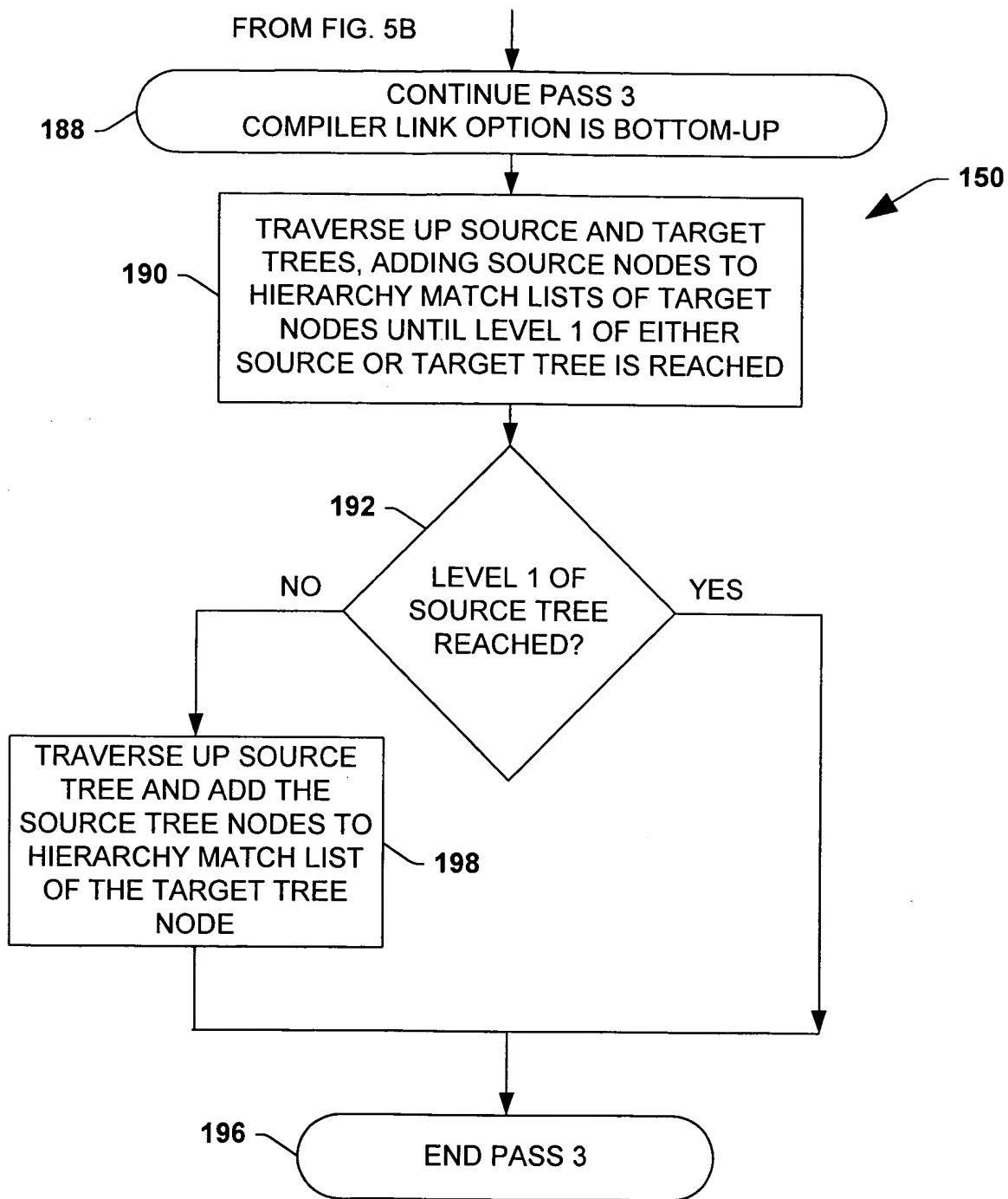
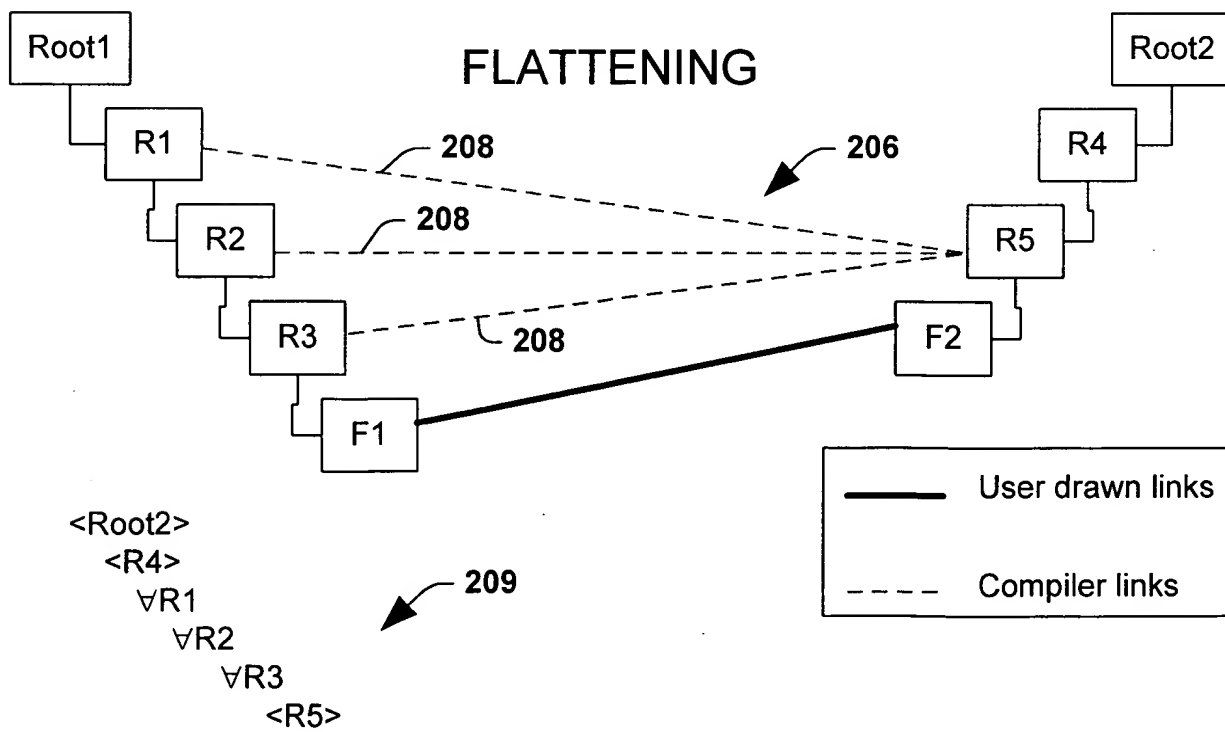
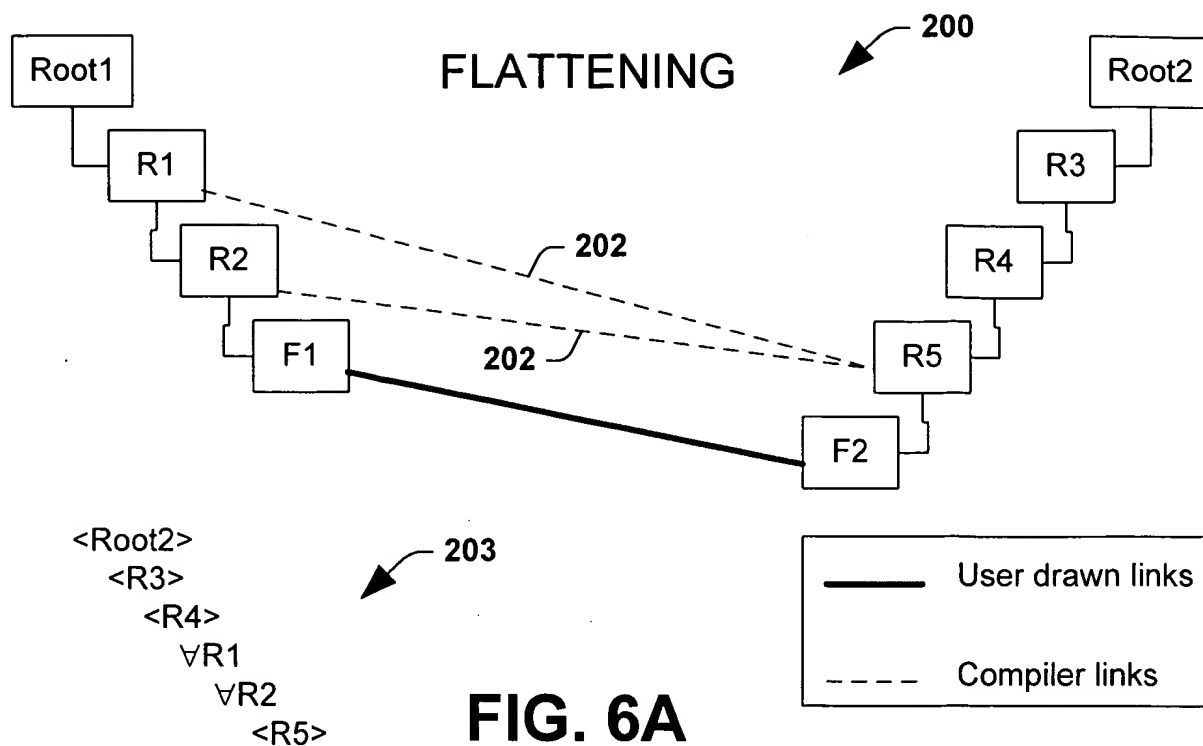


FIG. 5E





The diagram illustrates a top-down tree structure. At the top, two root nodes are labeled "Root1" and "Root2". Below "Root1" is a sequence of nodes: "R1", "R2", and "F1". Below "Root2" is a sequence of nodes: "R3", "R4", "R5", and "F2". A solid line, labeled "213" with an arrow, connects "F1" to "F2". Dashed lines, labeled "212" with an arrow, connect "R1" to "R3", "R2" to "R4", and "F1" to "R5". A legend in the bottom right corner indicates that solid lines represent "User drawn links" and dashed lines represent "Compiler links".

Root1

Root2

R1

R2

F1

R3

R4

R5

F2

210

212

212

212

213

<Root2>  
 $\forall R1$   
 <R3>  
 $\forall R2$   
 <R4>  
 <R5>

— User drawn links

- - - Compiler links

Root1

Root2

TOP-DOWN

214

216

216

216

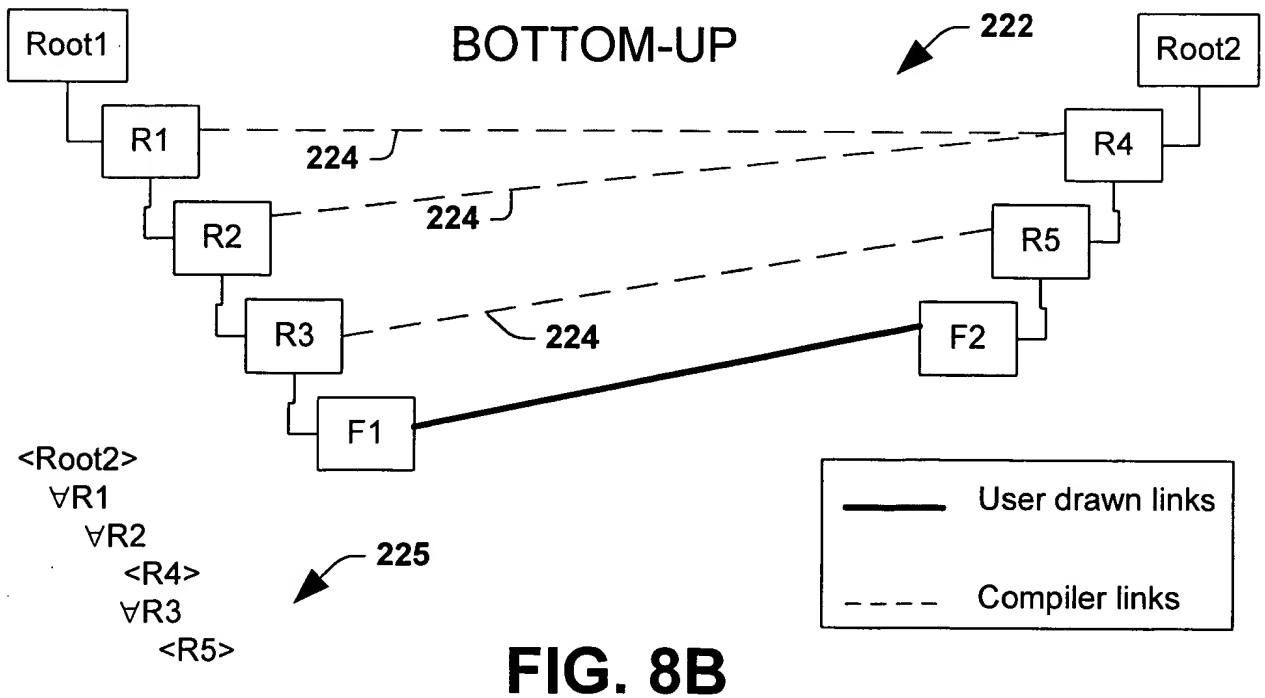
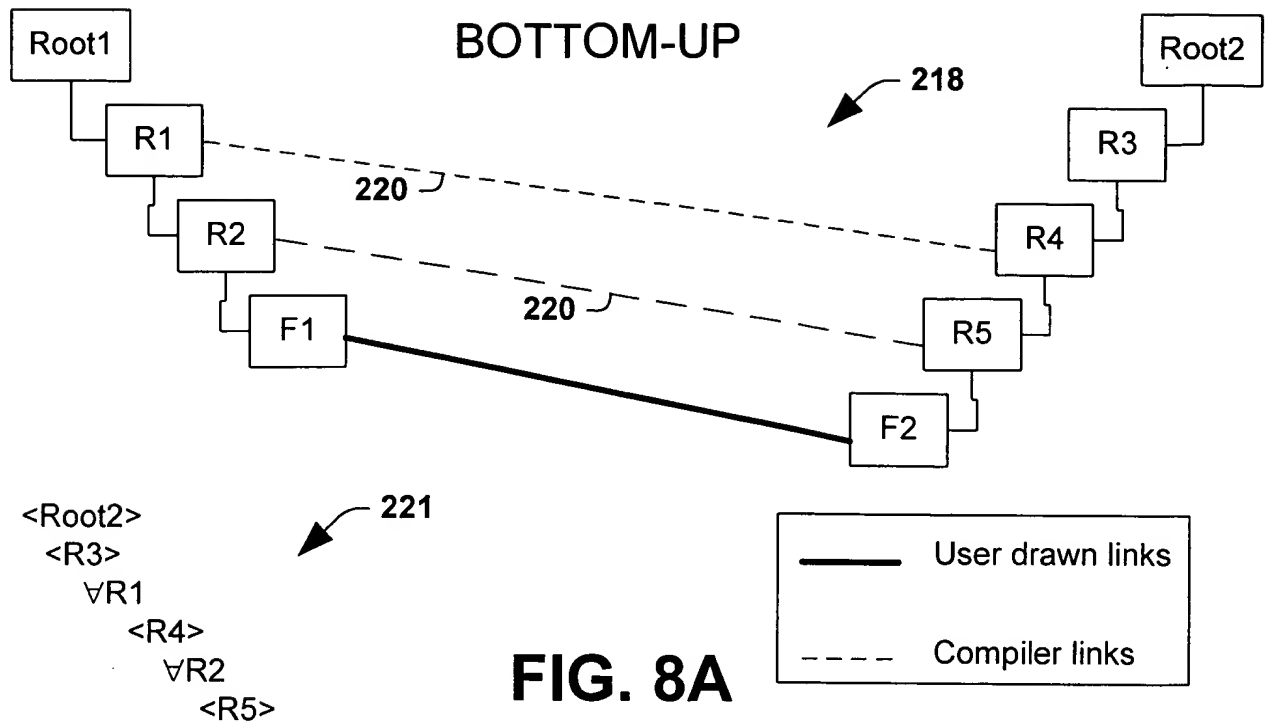
217

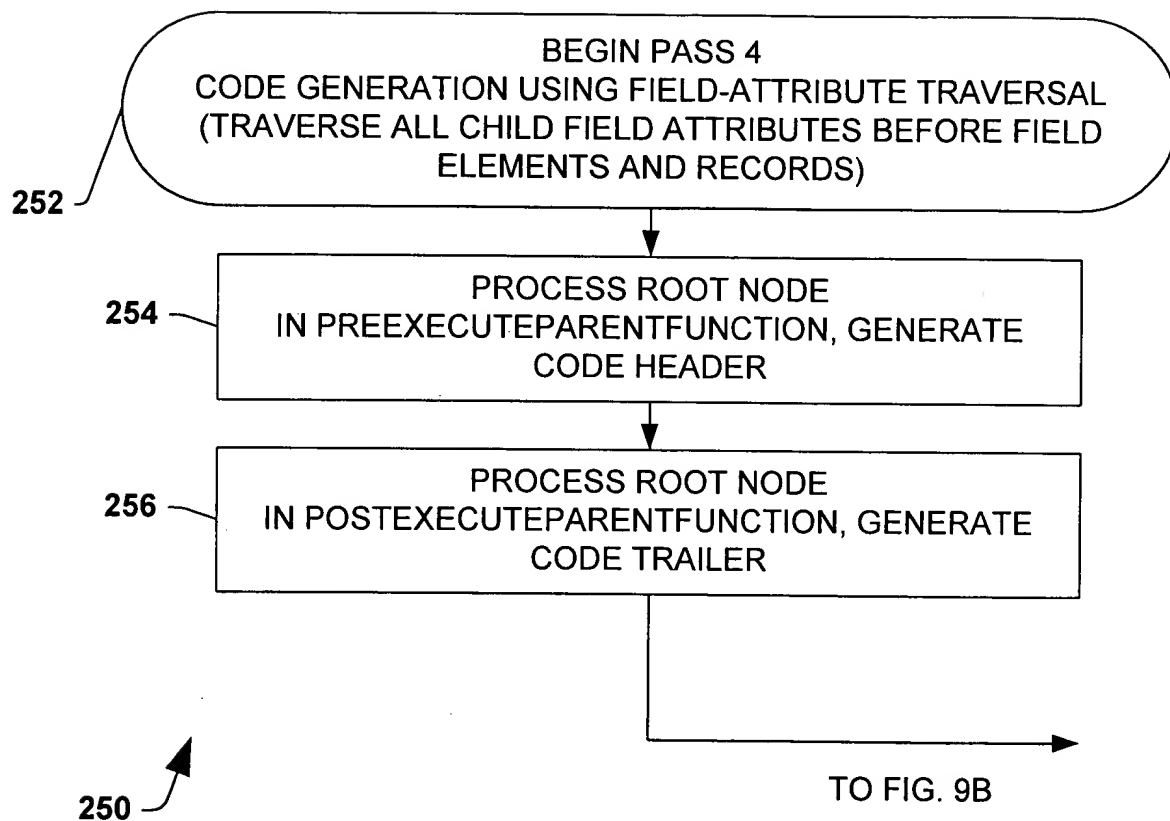
— User drawn links

- - - Compiler links

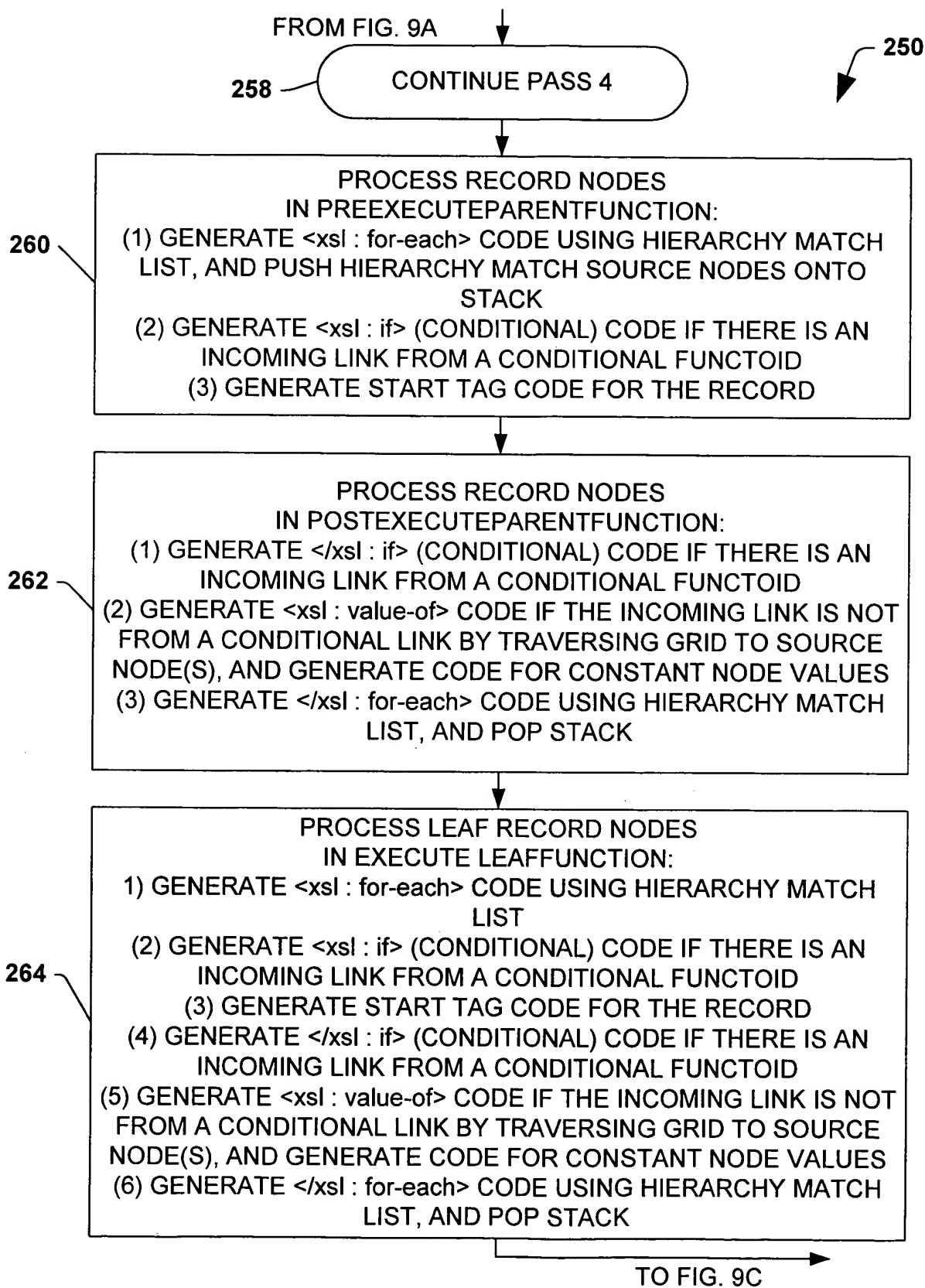
<Root2>  
VR1  
<R4>  
VR2  
VR3  
<R5>

**FIG. 7B**

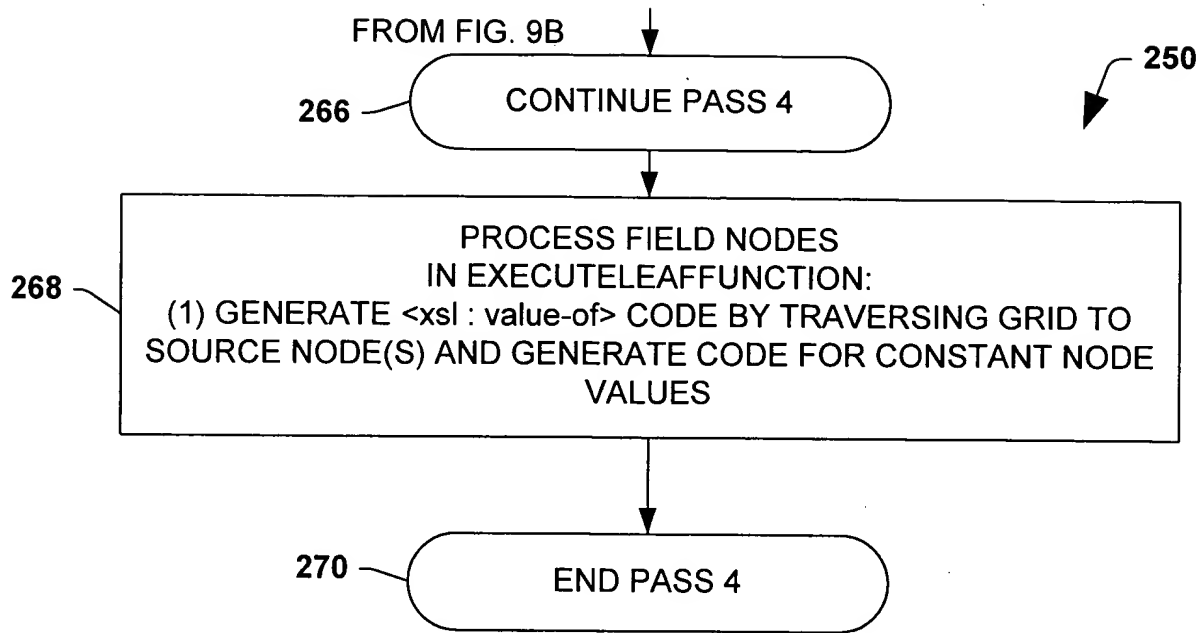




**FIG. 9A**



**FIG. 9B**



**FIG. 9C**

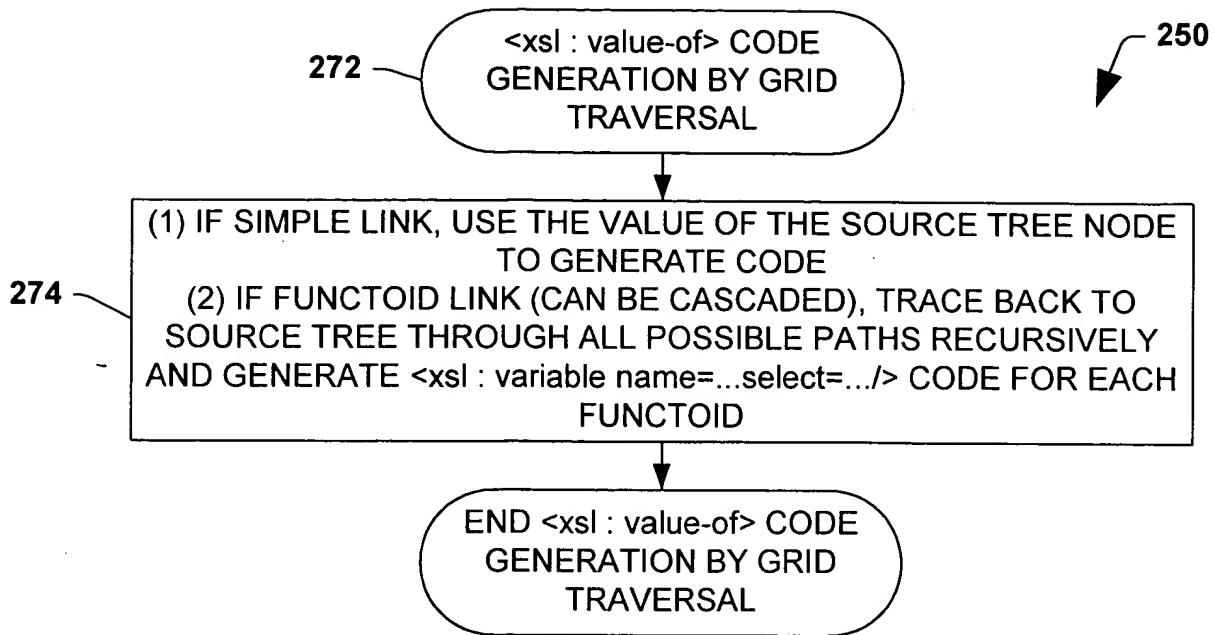
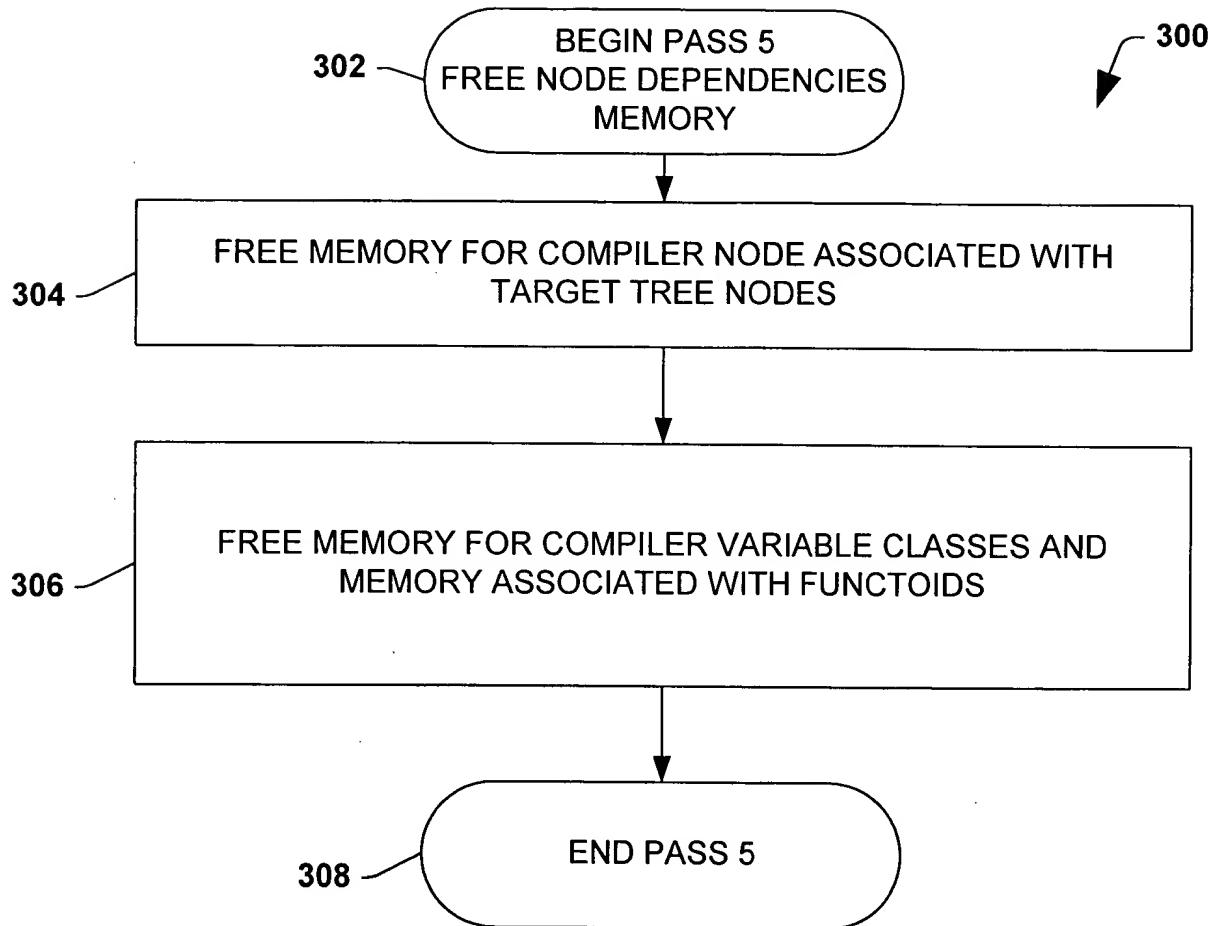


FIG. 9D

006290-09540960

0061290-09520960



**FIG. 10**





FIG. 12

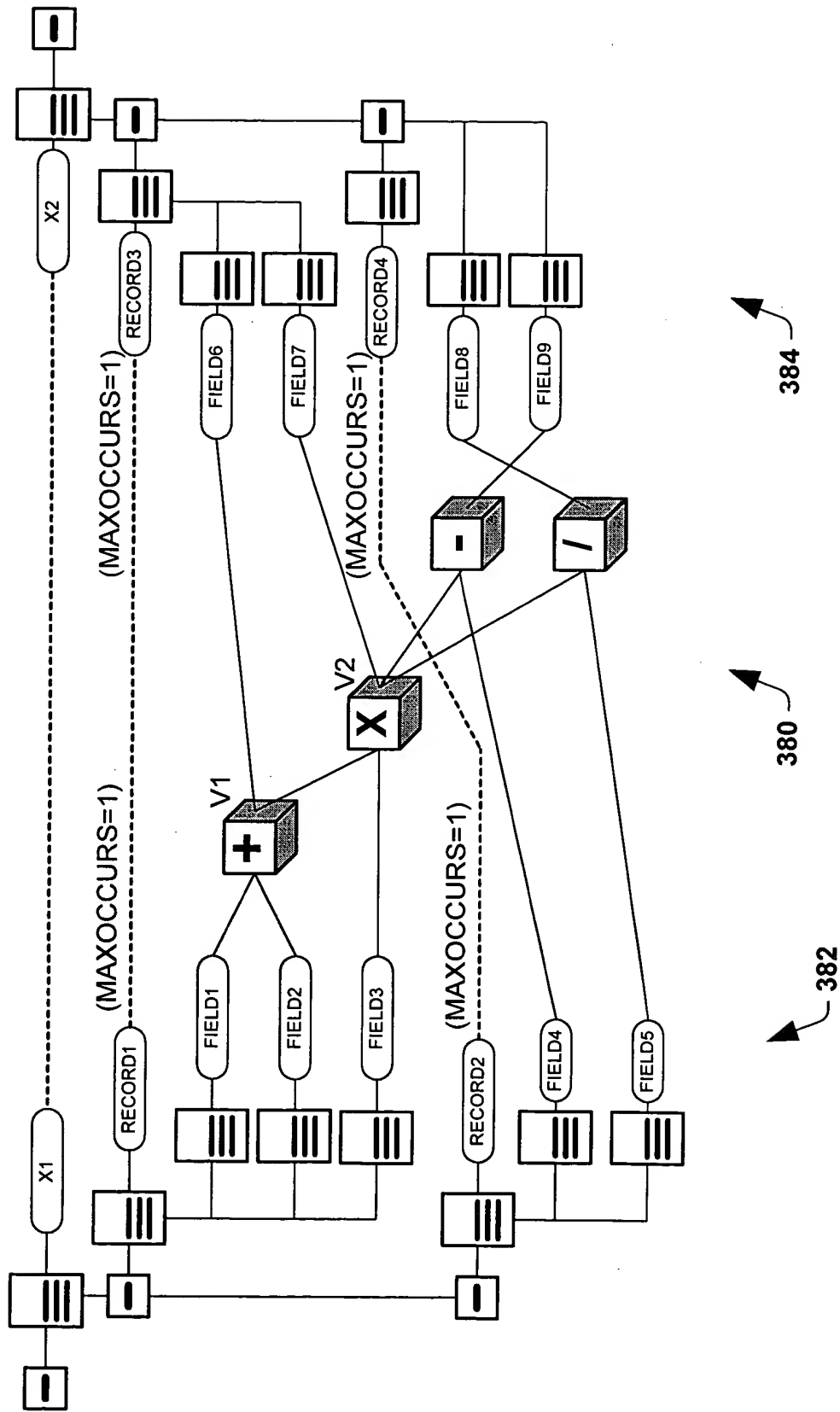
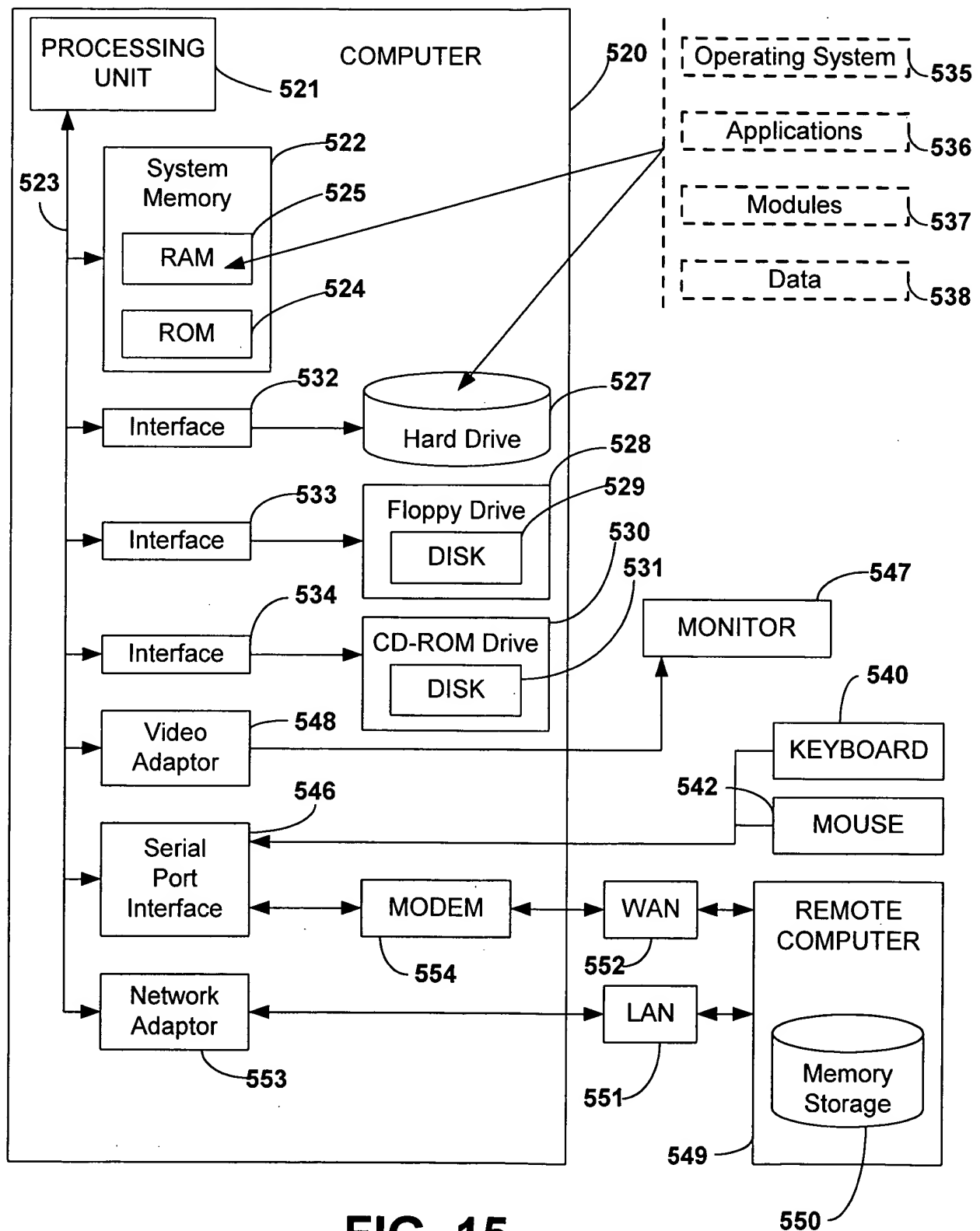


FIG. 13





**FIG. 15**